COTTON CHATS

DRAPER CORPORATION
HOPEDALE, MASSACHUSETTS

COTTON CHATS

TRADE-MARK REG. U.S. PAT. OFF.

DRAPER CORPORATION

HOPEDALE MASS.

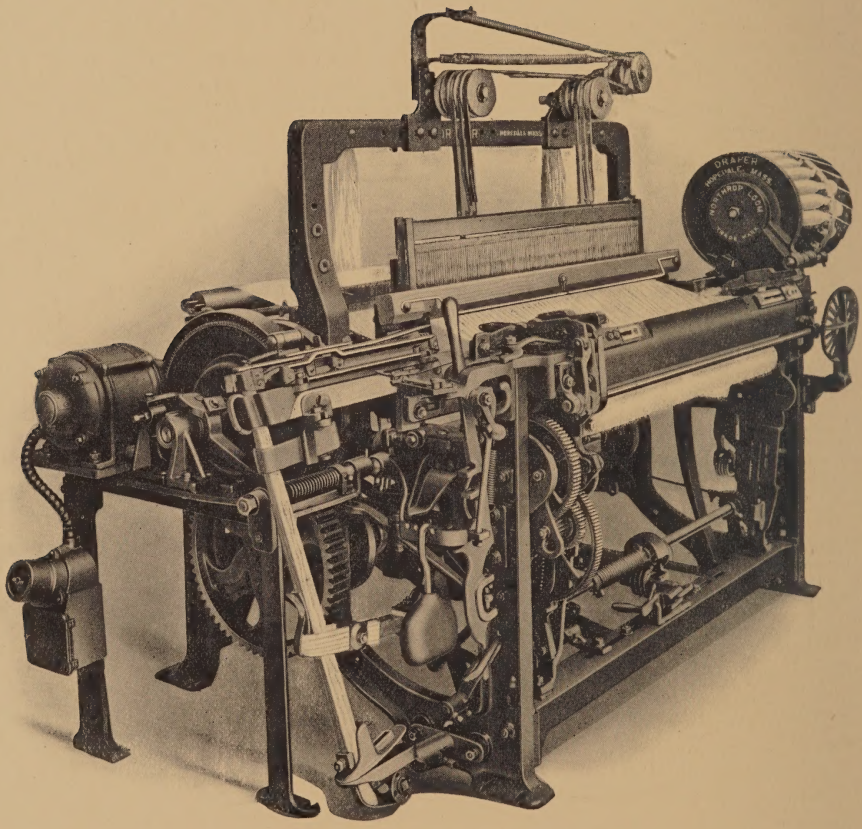
No. 215. SEPTEMBER 1920.

We reproduce in the following pages the compilation of

INTERNATIONAL COTTON STATISTICS

just received from England.

Inasmuch as the International Federation of Master Cotton Spinners' and Manufacturers' Associations is the highest available authority, the figures will be of interest to all cotton manufacturers.


DRAPER

Owing to the Printers' Strike in the North of England the issue of the complete International Cotton Statistics is not possible. The following five pages give, however the principal tables. On account of the strike the usual French and German editions cannot be published.

International Federation of Master Cotton Spinners' and Manufacturers' Associations

President: Sir A. H. DIXON, Bart.

- INTERNATIONAL - COTTON STATISTICS

Consumption of Cotton

for Year ending 31st July, 1920

and

Stocks of Cotton in Spinners' Hands

on July 31st, 1920

COMPILED BY

ARNO S. PEARSE, General Secretary
Royal Exchange
MANCHESTER

August 31st, 1920.

REMARKS

General.—The present is the second compilation of International Cotton Statistics since the Armistice, but it is the first occasion on which the consumption of cotton has been included. All the figures have been arrived at from individual returns received from the mills in the various countries and the only figure estimated is that of the total number of spindles existing in each country; this has been carefully calculated by the addition of the few spindles for which no returns have been received.

It must be clearly understood that the spindles quoted in the tables are raw cotton spinning spindles only and that the figures do not include doubling or waste spindles, as is the case in many statistical tabulations of a similar kind

Owing to the political and economic conditions existing in Russia and Austria, it has been impossible to collect data from these countries. From Latvia one mill reports that it has been stopped since July, 1915, when parts of the machinery were taken by the Russian Military to Kostroma in Russia. Returns from Poland are also incomplete owing to the present conditions of that country.

The total returns, as received, are given for each country; it must be left to the individual to estimate or calculate the figures of cotton stocks and consumption for the whole country.

When comparing the figures of pre-war years with those of the last twelve months, it must be borne in mind that the working hours have been reduced in all the countries and that a very large number of spindles has been idle during the year. The last table in this pamphlet gives a summary of previous years' figures.

"Idle" Spindles.—Owing to the destruction of machinery during the War, the wear and tear of the machinery in the period of the War, the shortage of operatives and lack of orders, a considerable number of spindles throughout the world is stopped at present. It has been deemed advisable to show these "idle" spindles in a separate column. The resumption of work in countries like Germany, Czecho-Slovakia, Poland and France, has been much slower than was anticipated.

There are existing in the world some 154,200,000 spinning spindles, but at the present time less than 138 millions are active.

Germany.—The present tabulation contains the first statistics, since 1914, relating to the Cotton Industry of Germany.

Russia.—We are still unable to communicate with the Russian Cotton Spinning districts.

As Russia has at no time produced more cotton than kept half her spindles employed, it must be assumed that at the present time there are at least four million spindles idle in Russia.

Austria.—No replies have been received to our enquiries.

Spain.—The Spanish Cotton Spinners' Association has not supplied the detailed answers but only the total figures; the consumption and stocks for the **various kinds** of cotton had therefore to be estimated.

Mexico and Brazil.—Owing to the long distance which divides these countries from the offices of the International Federation, the spinners in these countries have been asked to make returns per 15th July instead of the 31st July.

United States of America.—The Bureau of the Census has collected the figures given for this country.

IMPORTS OF FOREIGN COTTON during 12 months ending 31st July (500 pound bales) into U.S.A.

Country of Production	1920	1919
Egypt	485,003	100,006
Peru	63,425	25,230
China	57,186	10,871
Mexico	65,343	54,434
All other Countries	29,256	11,044
Total ..	700,213	201,585

EXPORTS OF AMERICAN COTTON and LINTERS during 12 months ending 31st July (RUNNING BALES

Country to which Exported	1920	1919
United Kingdom	3,069,342	2,635,198
France	576,228	734,739
Italy	579,159	588,373
Germany	443,179	——
Other Europe	816,220	709,239
Japan	873,096	784,522
All other Countries ..	241,124	211,849
Total ..	6,598,348*	5,663,920*

*Figures include 53,021 bales linters for the 12 months ending July 31st, 1920, and 71,534 bales in 1919.

Whilst in the printed publication of the Bureau of the Census, dated 14th August, 1920, the total active spindles are given as 34,666,842 on July 31st, 1920, a cable to us dated 18th August, 1920, states that there were 32,244,000 active ring spindles, 3,255,000 active mule spindles and 373,000 idle spindles, making a total number of the existing spindles in the States of 35,872,000.

Total Results of all Countries according to Returns received.

COUNTRIES	Number of Active *and* Idle Spinning Spindles as per Returns received	Number of Active Spinning Spindles as per Returns received	in actual Bales					Total estimated Number of Spinning Spindles in each country
			AMERICAN	EAST INDIAN	EGYPTIAN	SUNDRIES	TOTAL	
EUROPE:—								
Great Britain	51,645,401	50,045,902	2,620,785	51,129	389,062	124,338	3,185,314	58,692,410
France	7,234,880	5,658,630	514,072	43,835	53,751	18,141	629.799	9,400,000
Germany	8.759,740	5,230,996	355,977	73,709	14,467	40,758	484,911	9,400,000
Italy	4,095,392	3,932,893	497,203	133,330	33,364	6,805	670.702	4,514,800
Czecho-Slovakia	3,584,420	1,603,857	85,980	8,028	1,363	2,506	97,877	3,584,420
Spain	1,800,000†	1,800,000†	305,000†	40,000†	25,000†	20,000†	390,000†	1,800,000
Belgium	1,572,500	1,467,452	158,977	72,666	2,350	913	234,906	1,572,500
Switzerland	1,453,874	1,380,546	53,987	5,719	19,330	478	79,514	1,536,074
Poland	238,048	126,846	6,258	1,784	72	70	8,184	1,400,000†
Sweden	468,024	403,399	69,023	1,328	—	316	70,667	670,350
Holland	597,942	593,942	84,468	22,034	—	1,473	107,975	597.942
Portugal	482,000†	482,000†	53,361	13	53	14,064	67,491	482,000†
Finland	239,828	239,828	25,953	72	232	—	26,257	239,828
Denmark	116,644	92,404	23,493	—	—	23	23,516	116,644
Norway	66,652	62,340	10,142	127	—	—	10,269	72,724
Total	82,355,345	73,121,035	4,864,679	453,774	539,044	229,885	6,087,382	94,079,692
ASIA:—								
India	5,504,354	5,318,603	390	1,684,105	2,470	8,400	1,695,365	6,689,680
Japan	3,690,140	3,155,271	708,794	1,149,900	20,902	203,837	2,083,433	3,690,090
China	1,280,036	1,280,036	—	—	—	690,398*	690,398	1,600,000
Total	10,474,530	9,753,910	709,184	2,834,005	23,372	902,635	4,469,196	11,979,770
AMERICA:—								
U.S. America	35,872,000	35,499,000	6,010,515‡	12,000†	242,829†	160,000†	6,425,344§	35,872,000
Canada	681,012	681,012	118,446	—	—	—	118,446	1,200,000
Mexico	253,424	253,424	320	—	164	43,837	44,321	720,000
Brazil	303,068	303,068	—	—	—	75,552	75,552	1,600,000
Total	37,109,504	36,736,504	6,129,281	12,000	242,993	279,389	6,663,663	39,392,000
SUNDRIES:—	46,140	46,140	—	—	—	16,700	16,700	250,000
GRAND TOTAL:—	129 985,519	119,657,589	11,703,144	3,299,779	805,409	1,428,609	17,236,941	145,701,462

* Bales of 500 lbs. 637,779 bales represent Chinese Cotton, some of the balance of 52,619 bales may be American,—the cable does not give details. † Approximately.

NO RETURNS INCLUDED FROM RUSSIA and AUSTRIA, representing 7,200,000 and 1,300,000 spindles respectively, of which only a small portion in work. These 8,500,000 spindles must be added to above 145,701,462 to arrive at the total spindleage of the world. ‡ Includes 43,243 bales Sea Island.

§ 334,327 linters in addition

STOCKS OF COTTON IN SPINNERS' HANDS on the 31st JULY, 1920. ("Invisible Supply"—Spinners' Returns)

Total Results of all Countries according to Returns received.

COUNTRIES	Number of Active *and* Idle Spinning Spindles as per Returns received	Number of Active Spinning Spindles as per Returns received	in actual Bales					Total estimated Number of Spinning Spindles in each country
			AMERICAN	EAST INDIAN	EGYPTIAN	SUNDRIES	TOTAL	
EUROPE:—								
Great Britain	51,645,401	50,045,902	250,263	10,262	94,765	29,334	384,624	58,692,410
France	7,234,880	5,658,630	88,621	24,409	23,009	11,019	147,058	9,400,000
Germany	8,759,740	5,230.996	36,406	17,542	2,450	11,999	68,397	9,400,000
Italy	4,095,392	3,932,893	130,271	76,460	11,847	3,619	222,197	4,514,800
Czecho-Slovakia	3,584,420	1.603,857	29,837	4,860	247	1,092	36,036	3,584,420
Spain	1,800,000†	1,800,000†	13,750†	4,000†	750†	1,500†	20,000†	1,800,000
Belgium	1,572,500	1,467,452	30,481	36,345	548	441	67,815	1,572,500
Switzerland	1,453,874	1,380,546	21,210	6,948	7,953	424	36,535	1,536,074
Poland	238,048	126,846	1,087	599	176	140	2,002	1,400,000†
Sweden	468.024	403,399	20,123	1,582	—	181	21,886	670,350
Holland	597,942	593,942	12,370	14,935	—	1,576	28,881	597,942
Portugal	482,000†	482,000†	2,934	90	41	2,120	5,185	482,000†
Finland	239,828	239,828	3,788	110	58	—	3,956	239,828
Denmark	116,644	92,404	2,538	—	—	—	2,538	116,644
Norway	66,652	62,340	4,095	269	—	—	4,364	72,724
Total	82,355,345	73,121,035	647,774	198,411	141,844	63,445	1,051,474	94,079,692
ASIA:—								
India	5,504,354	5,318,603	66	780,258	544	2,188	783,056	6,689,680
Japan	3,690,140	3,155,271	265,750	749,867	15,910	20,254	1,051,781	3,690,090
China	1,280,036	1,280,036	—	—	—	150,738*	150,738	1,600,000
Total	10,474,530	9,753,910	265,816	1,530,125	16,454	173,180	1,985,575	11,979,770
AMERICA:—								
U. S. America	35,872,000	35,499,000	1,207,619‡	4,300†	96,158†	48,700†	1.356,777§	35,872,000
Canada	681,012	681,012	33,631	—	—	—	33,631	1,200,000
Mexico	253,424	253,424	351	—	90	11,014	11,455	720,000
Brazil	303,068	303,068	—	—	—	18,393	18,393	1,600,000
Total	37,109,504	36,736,504	1,241,601	4,300	96,248	78,107	1,420,256	39,392,000
SUNDRIES:—	46,140	46,140	—	—	—	12,600	12,600	250,000
GRAND TOTAL	129,985,519	119,657,589	2,155,191	1,732,836	254,546	327,332	4,469,905	145,701,462

* Bales of 500 lbs. 134,496 bales are Chinese Cotton, some of the balance of 16,242 bales may be American—the cable does not give details.

† Approximately. ‡ Includes 14,654 bales Sea-Island § 274,741 linters in addition.

COUNTRIES	Mule Spindles in work as per Returns received	Ring Spindles in work as per Returns received	Spindles spinning Egyptian Cotton as per Returns received	Spindles spinning American, East Indian, and Sundry Cottons as per Returns	Spindles in course of Construction as per Returns received	Spindles stopped at present ("Idle" Spindles) as per Returns	Total Number of active Spindles as per Returns receiv'd	Total estimated Number of **Spinning** Spindles in each country
EUROPE:—								
Great Britain	39,391,318	10,654,584	15,397,031	34,648,871	609,994	1,599,499	50,045,902	58,692,410
France	2,677,518	2,981,112	1,208,858	4,449,772	404,834	1,576,250†	5,658,630	9,400,000
Germany	2,510,492	2,720,504	474,920	4,756,076	4,800	3,528,744	5,230,996	9,400,000
Italy	971,477	2,961,416	389,254	3,543,639	30,256	162,499	3,932,893	4,514,800
Czecho-Slovakia	903,857	700,000	180,042	1,423,815	—	1,980,563	1,603,857	3,584,420
Spain	700,000*	1,100,000*	?	1,800,000*	—	—	1,800,000*	1,800,000
Belgium	422,554	1,044,898	23,436	1,444,016	62,012	105,048	1,467,452	1,572,500
Switzerland	822,430	558,116	690,265	690,281	1,392	73,328	1,380,546	1,536,074
Poland	29,278	97,568	39,112	87,734	34,000	111,202	126,846	1,400,000*
Sweden	93,389	310,010	—	403,399	28,400	64,625	403,399	670,350
Holland	197,418	396,524	—	593,942	24,002	4,000	593,942	597,942
Portugal	82,000*	400,000*	—	482,000*	—	?	482,000*	482,000*
Finland	67,694	172,134	9,988	229,840	—	—	239,828	239,828
Denmark	9,756	82,648	—	92.404	—	24,240	92,404	116,644
Norway	12,588	49,752	—	62,340	976	4,312	62,340	72,724
Total ..	48,891,769	24,229,266	18,412,906	54,708,129	1,200,666	9,234,310	73,121,035	94,079,692
ASIA:—								
India	987,930	4,330,673	13,275	5,305,328	52,343	185,751	5,318,603	6,689,680
Japan	39,172	3,116,099	286,240	2,869,031	85,000	534,869	3,155,271	3,690,090
China	—	1,280,036	—	1,280,036	?	—	1,280,036	1,600,000
Total ..	1,027,102	8,726,808	299,515	9,454,395	137,343	720,620	9,753,910	11,979,770
AMERICA:—								
U.S. America	3,255,000	32,244,000	3,000.000*	32,499,000*	574,346	373,000	35,499,000	35,872,000
Canada	207,816	473,196	—	681,012	91,000	—	681,012	1,200,000
Mexico	10,992	242,432	—	253,424	608	—	253,424	720,000
Brazil	1,000	302,068	—	303,068	25,072	—	303,068	1,600,000
Total ..	3,474,808	33,261,696	3,000,000	33,736,504	691,026	373,000	36,736,504	39,392,000
SUNDRIES:—	—	46,140	—	46,140	1,400	—	46,140	250,000
GRAND TOTAL ..	53,393,679	66,263,910	21,712,421	97,945,168	2,030,435	10,327,930	I19,657,589	145,701,462

‡ There are, in addition, 1,200,000 doubling spindles in Germany. No replies have been received from 26 mills containing approximately 369,000 active spindles and 271,300 idle spindles. * Approximately. † In France there are altogether 1,900,000 spindles stopped.

N.B.—No returns included from Russia and Austria, representing 7,200,000 and 1,300,000 spindles respectively, of which only a small portion in work. These 8,500,000 spindles must be added to above 145,701,462 to arrive at the total spindleage of the world.

Owing to the Printers' strike we are unable to produce the customary tables of the statistics of previous years, but the following figures will give a fair basis of comparison:—

MILL STOCKS AND CONSUMPTION OF ALL KINDS OF COTTON

on the basis of Spinners' Returns, calculated per 1000 Active Spindles

COUNTRIES	MILL STOCKS (Actual Bales), 31st August						CONSUMPTION (Actual Bales), for year ending 31st August					
	1920	1913	1912	1911	1910	1909	**1920**	1913	1912	1911	1910	1909
Great Britain ..	7·69	6·82	7·40	4·27	4·47	6·93	63·65	76·80	77·27	70·47	63·50	65·82
Germany	28·50	24·79	28·24	23·66	26·98	33·13	92·70	151·99	167·61	165·23	165·69	173·64
Russia	?	61·04	77·20	67·21	57·57	60·88	?	272·30	261·92	266·43	264·99	236·56
France	26·34	22·35	21·50	18·54	19·63	26·07	111·30	136·49	138·22	132·99	133·56	139·09
India	147·23	104·34	110·09	85·78	86·97	108·15	318·76	357·94	363·84	352·18	360·35	387·29
Austria	?	31·42	35·60	30·06	31·97	42·81	?	170·52	180·10	172·08	176·54	184·45
Italy	56·50	28·30	36·74	36·08	30·10	43·35	170·54	171·73	224·33	214·66	192·44	235·38
Spain	11·11	20·38	20·15	19·77	27·55	49·54	216·67	179·35	170·39	179·17	148·83	172·15
Japan	333·34	255·45	278·21	174·12	161·69	196·55	660·30	690·63	662·04	716·98	684·88	611·43
Switzerland ..	26·25	14·23	16·77	9·64	9·17	12·15	57·60	70·45	70·67	59·95	60·38	64·82
Belgium	46·21	29·75	36·62	32·27	27·37	37·90	160·08	172·47	168·91	178·32	149·79	170·75
Sweden	54·25	38·12	30·79	36·24	44·28	46·78	175·15	215·83	208·22	205·01	208·45	187·94
Portugal	10·76	17·26	20·73	19·72	20·17	17·88	140·02	163·64	165·71	156·96	121·87	137·95
Holland	48·63	24·78	23·68	21·23	22·31	22·79	181·79	177·17	186·92	191·68	182·42	201·44
Denmark	27·47	14·77	17·52	18·10	13·33	9·61	254·49	284·87	300·48	273·29	236·18	297·17
Norway	70·00	23·95	29·66	23·36	26·27	21.72	170·50	154·20	146·60	152·31	153·52	148·46
U.S. America ..	38·22	24·66	28·73	18·11	18·27	32·68	181·00	183·65	177·09	162·65	166·04	183·03
Canada	49·38	32·92	53·95	11·07	11·36	33·10	173·93	132·70	148·29	138·83	150·08	146·72
Czecho-Slovakia ..	22·47	—	—	—	—	—	61·03	—	—	—	—	—
Poland	15·78	90·75	101·24	83·15	48·40	—	64·52	312·80	352·23	326·58	280·54	—
Mexico	45·20	24·63	29·53	42·75	34·02	44·52	174·89	226·99	176·85	203·18	216·97	224·36
Brazil	55·72	108·76	108·02	62·80	81·24	95·24	228·00	423·57	579·88	407·83	460·53	865·24
Finland	16·50	21·32	22·98	11·22	—	—	109·48	156·54	150·65	132·59	—	—

During the war years the Mill Stocks and Consumption in the **U.S.A.** were as follows:—

	1914	1915	1916	1917	1918	1919	1920
Mill Stocks per 1000 active spindles	21·13	43·93	49·84	45·76	42·64	37·50	38·22
Consumption per 1000 active spindles	174·35	175·64	195·54	207·01	190·98	165·49	181·00